

In re application of:

Gregory Zyzdryn

Appl. No.:

10/631,890

Filed:

August 1, 2003

For:

Biometric Imaging Capture System

and Method

Confirmation No.:

9801

Art Unit:

2621

Examiner:

Johns, Andrew W.

Atty. Docket:

1823.0900000

Information Disclosure Statement

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Applicant has listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

	Applicant has checked the appropriate boxes below.
□ 1.	Statement under 37 C.F.R. 1.704(d). Each item of information contained in this
	Information Disclosure Statement was cited in a communication from a foreign patent
	office in a counterpart application and this communication was not received by any
	individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of
	this information disclosure statement.
⊠ 2.	Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed
	before the mailing date of a first Office Action on the merits. No statement or fee is
	required.
☐ 3.	Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed
	more than three months after the U.S. filing date AND after the mailing date of the
	first Office Action on the merits, but before the mailing date of a Final Rejection, or
	Notice of Allowance, or an action that otherwise closes prosecution in the application.
	a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of
	information contained in this Information Disclosure Statement was first cited
	in any communication from a foreign patent office in a counterpart foreign
	application not more than three months prior to the filing of this Information
	Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
	☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of
	information in this Information Disclosure Statement was cited in a
	communication from a foreign patent office in a counterpart foreign

application and, to my knowledge after making reasonable inquiry, was known

to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2). c. Attached is our Credit Card Payment Form (PTO-2038) in the amount of \$_____ in payment of the fee under 37 C.F.R. § 1.17(p). 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our Credit Card Payment Form (PTO-2038) in the amount of \$\square\$ in payment of the fee under 37 C.F.R. § 1.17(p); in addition: a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of . information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1). b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months

prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

- ∑ 5. Documents AH9, AN22, AD24, AF24, and AG24 were cited in an International Search Report and Written Opinion by the European patent office in a counterpart PCT application. Submission of an English language version of the search report (as document AO22) that indicates the degree of relevance found by the foreign office is provided for the Examiner's convenience.

Document AI4 (JP 62-212892 A) appears to describe a finger print pattern input device. An English-language abstract of document AI4 is enclosed as document AQ19.

Document AJ4 (JP 1-205392 A) appears to describe a finger picture input device. An English-language abstract of document AJ4 is enclosed as document AL20.

Document AK4 (JP 3-161884 A) appears to describe a finger image input device. An English-language abstract of document AK4 is enclosed as document AM20.

Document AH5 (JP 3-194674 A) appears to describe a finger image input device. An English-language abstract of document AH5 is enclosed as document AN20.

Document AI5 (JP 3-194675 A) appears to describe a finger image input device. An English-language abstract of document AI5 is enclosed as document AO20.

Document AJ5 (JP 11-225272 A) appears to describe an image reader. An English-language abstract of document AJ5 is enclosed as document AM21.

Document AK5 (JP 11-289421 A) appears to describe an image reader. An English-language abstract of document AK5 is enclosed as document AO21.

Document AK7 (WO 98/09246 A1) appears to describe a method and device for recognizing non-unrolled fingerprints. The cover page of document AK7 contains an English-language abstract.

Document AK8 (WO 99/40535 A1) appears to describe a method and arrangement for obtaining image information relating to surface structures. The cover page of document AK8 contains an English-language abstract.

Document AI9 (JP 63-137206 A) appears to describe a laser optical system. An English-language abstract of document AI9 is enclosed as document AP22.

Document AJ9 (SU 1769854 A1) appears to describe a device for taking fingerprints.

An English-language translation of document AJ9 is enclosed as document AQ22.

∑ 7.	Copies of the 'Foreign Patent' and 'Other' documents cited on the attached Form PTO-
	1449 are enclosed. However, in accordance with 37 C.F.R. § 1.98(a)(2), copies of the
	U.S. patents and patent application publications cited on the attached Form PTO-1449
	are not enclosed.

□ 8.	Copies of the documents were cited by or submitted to the Office in an IDS that
	complies with 37 C.F.R. § 1.98(a)-(c) in Application No, filed
	, which is relied upon for an earlier filing date under 35 U.S.C. § 120.
	Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

☐ 9.	It is expected that the exam	niner will review the prosec	cution and ci	ted art in the par	rent
	application no.	in accordance with MPEP	2001.06(b),	and indicate in	the

- 6 -

Gregory Zyzdryn Appl. No. 10/631,890

next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE/STER, GOLDSTEIN & FOX P.L.L.C.

Michael V. Messinger Attorney for Applicant Registration No. 37,575

Date:

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

EXAMINER

Page 1 of 27 APPLICATION NO. ATTY, DOCKET NO. 1823.0900000 10/631,890 **INVENTORS** Gregory Zyzdryn **FILING DATE** ART UNIT

2621

U.S. PATENT DOCUMENTS DATE NAME CLASS SUB-CLASS FILING DATE 03/1950 Altman

DOCUMENT NUMBER INITIAL AA1 2,500,017 AB1 08/1965 White 3,200,701 10/1969 AC1 3,475,588 McMaster AD1 3,482,498 12/1969 Becker 3,495,259 02/1970 Rocholl et al. AE1 AF1 3,527,535 09/1970 Monroe AG1 3,540,025 11/1970 Levin et al.

August 1, 2003

FOREIGN PATENT DOCUMENTS

EXAMINER	DOC.	ļ						İ
INITIAL	REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	j
•	AH1	0 101 772 A1	03/1984	EP			N/A	
	Al1	0 308 162 A2 & A3	03/1989	EP			N/A	
	AJ1	0 379 333 A1	07/1990	EP			N/A	
	AK1	0 379 333 B1	07/1995	EP			N/A	

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

Btt (Biometric Technology Today), Finger technologies contacts, 2 pages, date unknown (believed to be AL1 obtained before one year prior to August 1, 2003).

Drake, M.D. et al., "Waveguide hologram fingerprint entry device," Optical Engineering, Vol. 35, No. 9, AM1 September 1996, pp. 2499-2505.

AN1 Roethenbaugh, G. (ed.), Biometrics Explained, 1998, ICSA, pp. 1-34.

Automated Identification Systems (visited May 20, 1999) http://www.trw.com/idsystems/bldgaccess2.html, 1 A01 page, Copyright 1999.

Ultra-Scan Corporation Home Page (visited May 20, 1999) http://www.ultra-scan.com/index.htm, 3 pages. AP1 (discusses technology as early as 1996)

Profile (last updated August 16, 1998) http://www.dermalog.de/Britain/Profile/profile.htm, 3 pages. AQ1 (discusses technology as early as 1990)

EXAMINER DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Page 2 of 27 ATTY, DOCKET NO. APPLICATION NO. 1823.0900000 10/631,890 FORM PTO-1449 **INVENTORS** Gregory Zyzdryn INFORMATION DISCLOSURE STATEMENT **FILING DATE ART UNIT** 2621 August 1, 2003 **U.S. PATENT DOCUMENTS** EXAMINER DOCUMENT NUMBER DATE NAME SUB-CLASS INITIAL **CLASS** FILING DATE AA2 11/1971 3,617,120 Roka AB2 3,699,519 10/1972 Campbell AC2 3,906,520 09/1975 **Phillips** AD2 3,947,128 03/1976 Weinberger et al. AE2 3,968,476 07/1976 McMahon AF2 3,975,711 08/1976 McMahon AG2 4,032,975 06/1977 Malueg et al. **FOREIGN PATENT DOCUMENTS EXAMINER** DOC. DATE COUNTRY INITIAL DOCUMENT NUMBER CLASS SUB-CLASS **TRANSLATION** REF. AH2 0 623 890 A2 & A3 11/1994 EΡ N/A Al2 0 623 890 B1 08/2001 EP N/A 05/1995 AJ2 0 653 882 A1 EP N/A AK2 0 785 750 B1 06/1999 EP N/A OTHER (Including Author, Title, Date, Pertinent Pages, etc.) ID-Card System Technical Specifications (last updated July 18, 1998) http://dermalog.de/Britain/Products/ID-2 AL2 Card/idcard2.htm>, 2 pages. Fujitsu Limited Products and Services (updated April 21, 1999) AM2 http://www.fujitsu.co.jp/hypertext/Products/index-e.html, 3 pages, Copyright 1995-1999. SonyDCam (visited May 20, 1999) http://www.microsoft.com/DDK/ddkdocs/Win2k/sonydcam.htm, 3 pages, AN2 Copyright 1999. AO2 Verid Fingerprint Verification (visited May 17, 1999) http://www.tssi.co.uk/products/finger.html, 2 pages. Startek's Fingerprint Verification Products: Fingerguard FG-40 (visited May 18, 1999) AP2 http://www.startek.com.tw/product/fg40/fg40.html, 3 pages. SAC Technologies Showcases Stand-Alone SAC-Remote(TM) (visited May 18, 1999) AQ2 http://www.pathfinder.com/money/latest/press/PW/1998Mar25/1026.html, 2 pages. **EXAMINER** DATE CONSIDERED **EXAMINER**: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to Applicant.

Page 3 of 27 ATTY, DOCKET NO. APPLICATION NO. 1823.0900000 10/631,890 **FORM PTO-1449 INVENTORS** Gregory Zyzdryn INFORMATION DISCLOSURE STATEMENT FILING DATE **ART UNIT** August 1, 2003 2621 **U.S. PATENT DOCUMENTS** EXAMINER DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE INITIAL AA3 4.063.226 12/1977 Kozma et al. 10/1978 DePalma et al. AB3 4,120,585 AC3 4,152,056 05/1979 Fowler 06/1980 AD3 4,209,481 Kashiro et al. 07/1980 Swonger et al. AE3 4,210,889 AF3 4,253,086 02/1981 Szwarcbier 03/1982 Schiller AG3 4,322,163 **FOREIGN PATENT DOCUMENTS** EXAMINER DOC. DATE COUNTRY SUB-CLASS TRANSLATION DOCUMENT NUMBER CLASS INITIAL REF. AH3 0 889 432 A2 & A3 01/1999 ĘΡ N/A 03/1999 EP N/A AI3 0 905 646 A1 AJ3 06/1999 0 924 656 A2 EΡ N/A 2 089 545 A 06/1982 GB N/A AK3 OTHER (Including Author, Title, Date, Pertinent Pages, etc.) "Biometrics, The Future Is Now," www.securitymagazine.com, May 1999, pp. 25-26. AL3 Mytec Technologies Gateway (visited April 27, 1999) http://www.mytec.com/Products/Gateway/, 1 page. AM3 Mytec Technologies Gateway: Features & Benefits (visited April 27, 1999) AN3 http://www.mytec.com/Products/Gateway/features.htm, 1 page. Mytec Technologies Touchstone Pro (visited April 27, 1999) http://www.mytec.com/Products/Touchstone/, 1 AO3 page. Mytec Technologies Touchstone Pro: Features (visited April 27, 1999) AP3 http://www.mytec.com/Products/Touchstone/features.htm, 1 page. Electronic Timeclock Systems and Biometric Readers (last updated April 17, 1999) , 1 page. DATE CONSIDERED **EXAMINER EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

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	AA4	4,414,684	11/1983	_	llonder				
	AB4	4,537,484	08/1985	_	owler et al.				
	AC4	4,544,267	10/1985	S	Schiller				
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	Al4	62-212892 A	09/1987		JP			No	
	AJ4	1-205392 A	08/1989		JP			No	
	AK4	3-161884 A	07/1991		JP			No	
	7	OTHER (Include	ding Autho	r, Til	tle, Date, Pertinent Pages,	etc.)			
	AL4	Fingerprint Time Clock (6 pages.	visited May 1	17, 19	999) <http: td="" www.lfs-hr-bene.co<=""><td>om/Biome</td><td>etrics/Fingerpr</td><td>intclock.html>,</td></http:>	om/Biome	etrics/Fingerpr	intclock.html>,	
	AM4	KC-901: The KSI fingerp	orint sensor (visite	d May 17, 1999) <http: td="" www.k<=""><td>kinetic.bc.</td><td>ca/kc-901.htm</td><td>nl>, 3 pages.</td></http:>	kinetic.bc.	ca/kc-901.htm	nl>, 3 pages.	
	AN4	INTELNET INC. (visited	May 20, 199	99) <h< td=""><td>nttp://www.intelgate.com/index</td><td>.html>, 1</td><td>page, Copyrig</td><td>ht 1996.</td></h<>	nttp://www.intelgate.com/index	.html>, 1	page, Copyrig	ht 1996.	
	AO4	Ver-i-Fus Fingerprint Acpages. (Ver-i-fus produc	cess Control t released in	Syst 1995	em (visited May 20, 1999) <htt< td=""><td>tp://www.i</td><td>intelgate.com/</td><td>verifus.htm>, 2</td></htt<>	tp://www.i	intelgate.com/	verifus.htm>, 2	
	AP4	Ver-i-fus [®] Configurations product released in 1995	s (visited Ma 5)	y 20,	1999) <http: td="" www.intelgate.co<=""><td>om/vercor</td><td>nfig.htm>, 1 pa</td><td>age. (Ver-i-fus</td></http:>	om/vercor	nfig.htm>, 1 pa	age. (Ver-i-fus	
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Page 5 of 27 ATTY, DOCKET NO. APPLICATION NO. 1823.0900000 10/631,890 FORM PTO-1449 **INVENTORS** Gregory Zyzdryn INFORMATION DISCLOSURE STATEMENT **FILING DATE ART UNIT** 2621 August 1, 2003 **U.S. PATENT DOCUMENTS EXAMINER** DOCUMENT NUMBER DATE INITIAL NAME CLASS SUB-CLASS FILING DATE 08/1987 AA5 4,684,802 Hakenewerth et al. AB5 4,701,772 10/1987 Anderson et al. AC5 4,783,823 11/1988 Tasaki et al. AD5 4,784,484 11/1988 Jensen 12/1988 Fishbine et al. AE5 4,792,226 AF5 4.811,414 03/1989 Fishbine et al. 10/1989 AG5 4,876,726 Capello et al. **FOREIGN PATENT DOCUMENTS EXAMINER** DOC. COUNTRY INITIAL REF. DOCUMENT NUMBER DATE **CLASS** SUB-CLASS TRANSLATION AH5 3-194674 A 08/1991 JP No 3-194675 A 08/1991 JP Al5 No AJ5 11-225272 A 08/1999 JΡ No 11-289421 A 10/1999 JP AK5 No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Access Control System Configurations (visited May 20, 1999) http://www.intelgate.com/access.htm, 2 AL₅ pages. (Ver-i-fus product released in 1995) Company (visited May 17, 1999) http://www.instainfo.com/company.htm, 2 pages. AM5 TouchLock™ Il Fingerprint Identity Verification Terminal (visited May 17, 1999) AN5 , 4 pages. Physical Security and Staff Tracking Solutions (visited May 17, 1999) AO5 http://www.identix.com/products/biosecurity.html, 3 pages, Copyright 1996-1998. Veriprint2000 Fingerprint Verification Terminal For Use With Jantek Time & Attendance Software (visited May AP5 17, 1999) http://www.hunterequipment.com/fingerprint.htm, 2 pages. Veriprint Product Applications (visited April 27, 1999) http://www.biometricid.com/uses.htm, 1 page, AQ5 Copyright 1999. **EXAMINER** DATE CONSIDERED **EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to Applicant.

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			U.S. PAT		DOCUMENTS	12021				
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-	AB6	4,924,085	05/1990	Ka	ato <i>et al</i> .					
	AC6	4,933,976	06/1990	Fi	shbine et al.					
	AD6	4,942,482	07/1990	Ka	akinuma <i>et al.</i>					
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,	AF6	4,995,086	02/1991	Li	lley et al.			-		
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	AH6	WO 87/02491 A1	04/1987		PCT			N/		
	Al6	WO 90/03620 A1	04/1990		PCT			N/		
	AJ6 WO 92/11608 A1 07/1992			PCT			N/			
	AK6	WO 94/22371 A2 & A3	10/1994		PCT			N/		
•		OTHER (Includ	ling Autho	r, Titl	le, Date, Pertinent F	Pages, etc.)				
	AL6	BII Home Page (visited I	April 27, 199	9) <ht< td=""><td>tp://www.biometricid.co</td><td>om/homepage.h</td><td>tm>, 1 page, 0</td><td>Copyright 1999</td></ht<>	tp://www.biometricid.co	om/homepage.h	tm>, 1 page, 0	Copyright 1999		
	AM6	Veriprint 2100 Stand-Alone Fingerprint Verification Terminal (visited April 27, 1999) http://www.biometricid.com/veriprint2100.htm , 3 pages.								
	AN6	Randall, N., "A Serial Bu	s on Speed,	" PC N	Magazine, May 25, 199	9, pp. 201-203.				
AO6 The DERMALOG Check-ID (visited November 12, 1999) http://www.dermalog.de/ganzneu/products_check.html , 1 page.										
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA7	5,067,162	11/1991	Driscoll, Jr. et al.					
	AB7	5,067,749	11/1991	Land					
	AC7	5,131,038	07/1992	Puhl et al.					
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	AG7	5,187,747	02/1993	Capello et al.					
		F	OREIGN P	PATENT DOCUMENTS					
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AH7	WO 96/17480 A2 & A3	06/1996	PCT			N/A		
			08/1997	PCT			N/A		
			11/1997	PCT			N/A		
	AK7	WO 98/09246 A1	03/1998	PCT			No		
		OTHER (Include	ding Autho	r, Title, Date, Pertinent F	Pages, etc.)				
	AL7	Time is Money! (visited .	June 5, 1998	3) <http: afim.<="" td="" www.iaus.com=""><td>.htm>, 3 pages.</td><td></td><td></td></http:>	.htm>, 3 pages.				
	AM7	LS 1 LiveScan Booking http://www.hbs-jena.co	<i>Workstation</i> m/ls1.htm>,	High Performance Finger & F 6 pages, Copyright 1998.	Palm Scanning S	S <i>ystem</i> (visite	d June 4, 1998)		
	AN7	Welcome to the Homepa jena.com/>, 1 page, Cop		ann Biometric Systems GMBI	H (visited June 4	4, 1998) <http:< td=""><td>//www.hbs-</td></http:<>	//www.hbs-		
	A07	Heimann Biometric Syst jena.com/company.htm>	ems Corpora , 4 pages, C	ate Overview (visited June 4, Copyright 1998.	1998) <http: td="" w<=""><td>ww.hbs-</td><td></td></http:>	ww.hbs-			
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	AQ7	Mòrpho DigiScan Cellula http://www.morpho.con	ar (visited Ju n/products/la	ine 3, 1998) aw_enforcement/digiscan/cell	lular.htm>, 2 paç	ges, Copyrigh	1998.		
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	AA8	5,210,588	05/1993	Le	ee					
	AB8	5,222,152	06/1993	Fis	shbine et al.					
	AC8	5,222,153	06/1993	Ве	eiswenger					
	AD8	5,230,025	07/1993	Fis	shbine <i>et al</i> .					
•	AE8	5,233,404	08/1993	Lo	ougheed et al.					
	AF8	5,249,370	10/1993	St	anger et al.					
	AG8	5,253,085	10/1993	Ma	aruo <i>et al.</i>					
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	AH8	WO 98/12670 A1	03/1998		PCT			N/A		
	Al8	WO 99/12123 A1	03/1999		PCT			N/A		
	AJ8 WO 99/26187 A1 05/1		05/1999		PCT			N/A		
	AK8	WO 99/40535 A1	08/1999		PCT			N		
		OTHER (Include	ling Autho	r, Titl	e, Date, Pertinent I	Pages, etc.)				
	AL8	A.F.I.S. (last updated Ap	oril 2, 1998) <	<http: <="" td=""><td>/www.dermalog.de/afis</td><td>s.htm>, 2 pages.</td><td></td><td></td></http:>	/www.dermalog.de/afis	s.htm>, 2 pages.				
	AM8	Morpho FlexScan TM Workstation (visited June 3, 1998) http://www.morpho.com/products/law_enforcement/flexscan/ >, 2 pages, Copyright 1998.								
	AN8	True-ID® The LiveScan with special "ability", 2 pages, date unknown (believed to be obtained before one year prior to August 1, 2003).								
	AO8	Printrak International: User List (visited June 3, 1998) http://www.printrakinternational.com (and links)>, 10 pages, Copyright 1996.								
	AP8	Live-Scan Products: Ter http://www.digitalbiome	nprinter® 113 etrics.com/Pr	33S (vi oducts	isited April 23, 1999) s/tenprinter.htm>, 4 pa	ges. (Tenprinter	1133S releas	ed in 1996)		
	AQ8	TouchPrint™ 600 Live-S 4 pages, Copyright 1996		(visite	ed April 23, 1999) <http< td=""><td>o://www.identix.c</td><td>om/products/l</td><td>ivescan.htm>,</td></http<>	o://www.identix.c	om/products/l	ivescan.htm>,		
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	AA9	5,261,266	11/1993	Lorenz et al.							
	AB9	5,285,293	02/1994	Webb et al.							
	AC9	5,291,318	03/1994	Genovese							
	AD9 Des. 348,445 07/1994		07/1994	Fishbine et al.							
	AE9	5,351,127	09/1994	King et al.							
	AF9	Des. 351,144	10/1994	Fishbine et al.							
	AG9	5,363,318	11/1994	McCauley							
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•	AH9	EP 0 650 137 A2 & A3	04/1995	EP			N/A				
	AI9	63-137206 A	06/1988	JP			No				
	AJ9 SU 1769854 A1 10/199		10/1992	Russia			No				
	AK9										
	-	OTHER (Include	ding Author	r, Title, Date, Pertinent Pa	iges, etc.)		·				
	AL9	Systems for Live-Scan F	ingerprinting	, Digital Biometrics, Inc., 8 pa	ges, Copyright	1998.					
	AM9	DBI FingerPrinter CMS TM , Digital Biometrics, Inc., 5 pages. (CMS TM released in 1998)									
	AN9	Fingerscan V20, Identix Incorporated, 1 page, Copyright 1999.									
	AO9	Verid [®] Fingerprint Read August 1, 2003).	er, TSSI, 4 pa	ages, date unknown (believed	to be obtained	d before one y	ear prior to				
	AP9	Response to Request fo	r Information	, Cross Match Technologies, l	lnc., 13 pages,	April 14, 199	9.				
	AQ9	Startek's Fingerprint Ver	nification Prod .tw/product/ir	ducts (visited November 17, 19ndex.html>, 1 page.	999)						
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			U.S. PAT		OCUMENTS		1202.		
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	AA10	AA10 5,384,621		Hat	ch <i>et al</i> .				d not to the state of
	AB10	5,412,463	05/1995	Sibl	bald et al.				
	AC10	5,416,573	05/1995	Sar	tor, Jr.				
	AD10	5,448,649	09/1995	Che	en et al.				
	AE10	5,467,403	11/1995	Fish	nbine <i>et al</i> .				
	AF10	5,469,506	11/1995	Ber	son <i>et al.</i>				
	AG10	5,471,240	11/1995		ger et al.				
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	T	OTHER (Includ	ing Autho	or, little	, Date, Pertinent	Pages, e	ic.)	•.	
	AL10	Introduction to Startek's http://www.startek.com	Fingerprint .tw/product/	Verificati /index2.h	ion Products (visited html>, 2 pages.	l Novembe	er 17, 1	999)	
	AM10	Automatic Fingerprint Id <http: td="" www.sagem.com<=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></http:>							
	AN10	Digital Biometrics Corpo <a href="http://www.digitalbiome-
early as 1985">http://www.digitalbiome- early as 1985)	rate Informa etrics.com/C	<i>ation</i> (vis Corporate	ited November 17, e_info/Corporate_info	1999) o.htm>, 2 լ	pages.	(discusses ted	chnology as
	AO10	DBI Live-Scan Products http://www.digitalbiome	: Digital Bio etrics.com/p	metrics i products/t	TENPRINTER [®] (visi tenprinter.htm>, 4 pa	ted Novemages. (Ten	nber 17 printer	, 1999) released in 19	996)
	AP10 DBI Live-Scan Products: NETWORKING OPTIONS (visited November 17, 1999) http://www.digitalbiometrics.com/products/networking_options.htm , 3 pages.								
	AQ10	DBI Live-Scan Products http://www.digitalbiome	: Digital Bio etrics.com/p	emetrics l eroducts/l	FingerPrinter CMS ^{TA} FingerPrinterCMS.h	⁴ (visited N tm>, 3 pag	lovemb jes. (Cl	er 17, 1999) MS TM released	d in 1998)
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	AA11	5,473,144	12/1995	Ма	ithurin, Jr.				
	AB11	5,483,601	01/1996	Fa	ulkner				
	AC11	5,509,083	04/1996	Ab	tahi <i>et al</i> .				
	AD11	5,517,528	05/1996	Jol	hnson				
	AE11	5,528,355	06/1996	Ма	nase et al.				
	AF11	5,548,394	08/1996	Gil	es et al.				
	AG11	5,591,949	01/1997	Ве	rnstein				
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	AH11								
	Al11								
	AJ11								
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	1	OTHER (Includ	ling Autho	r, Title	e, Date, Pertinent	Pages, e	etc.)		
	AL11	DBI Live-Scan Products: http://www.digitalbiome	Image Print trics.com/pro	<i>ter Stat</i> oducts/	tions (visited Novemb fimageprinter.htm>, 2	per 17, 199 2 pages.	99)		
	AM11	DBI Live-Scan Products: http://www.digitalbiome	FC-21 [™] Fii trics.com/pro	ngerpri oducts/	int Capture Station (v Fingerprintcapture.h	isited Nov tm>, 2 pag	rember ges.	17, 1999)	
	AN11	Series 400 OEM Scanne (Scanner released in 199	er (visited No 96)	ovembe	er 17, 1999) <http: td="" w<=""><td>ww.ultra-s</td><td>scan.coi</td><td>m/400.htm>, 3</td><td>3 pages.</td></http:>	ww.ultra-s	scan.coi	m/400.htm>, 3	3 pages.
	AO11	USC Scanner Design (vi (Scanner released in 199		nber 17	′, 1999) <http: td="" www.t<=""><td>ultra-scan</td><td>.com/so</td><td>anner.htm>, 4</td><td>1 pages.</td></http:>	ultra-scan	.com/so	anner.htm>, 4	1 pages.
	AP11	Series 500/600 Scanner (Scanner released in 199	s (visited No 96)	ovembe	er 17, 1999) <http: td="" w<=""><td>ww.ultra-s</td><td>can.cor</td><td>n/500.htm>, 3</td><td>pages.</td></http:>	ww.ultra-s	can.cor	n/500.htm>, 3	pages.
	AQ11	Series 700 ID Station (vi released in 1998)	sited Novem	nber 17	', 1999) <http: td="" www.t<=""><td>ultra-scan</td><td>.com/70</td><td>0.htm>, 3 paç</td><td>ges. (Scanner</td></http:>	ultra-scan	.com/70	0.htm>, 3 paç	ges. (Scanner
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Page 12 of 27 ATTY, DOCKET NO. APPLICATION NO. 1823.0900000 10/631,890 **FORM PTO-1449 INVENTORS** Gregory Zyzdryn INFORMATION DISCLOSURE STATEMENT FILING DATE **ART UNIT** August 1, 2003 2621 **U.S. PATENT DOCUMENTS EXAMINER** DOCUMENT NUMBER DATE CLASS SUB-CLASS FILING DATE INITIAL NAME 01/1997 AA12 5,596,454 Hebert 01/1997 AB12 5,598,474 Johnson AC12 5,613,014 03/1997 Eshera et al. 03/1997 Hoffman 5,615,277 AD12 AE12 5,625,448 04/1997 Ranalli et al. 06/1997 Johnson AF12 5,640,422 5.649.128 07/1997 Hartley AG12 **FOREIGN PATENT DOCUMENTS** EXAMINER DOC. DOCUMENT NUMBER COUNTRY CLASS SUB-CLASS **TRANSLATION INITIAL** REF. DATE AH12 Al12 AJ12 AK12 OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Identix: The Corporation (visited November 17, 1999) http://www.identix.com/corporate/home.htm, 2 pages, AL12 Copyright 1996-1998. Biometric Imaging Products (visited November 17, 1999) http://www.identix.com/products/bioimage.htm, 1 AM12 page, Copyright 1996-1998. TouchPrint™ 600 Live-Scan System (visited April 23, 1999) http://www.identix.com/products/livescan.htm, AN12 4 pages, Copyright 1996-1998. TouchPrint™ 600 Palm Scanner (visited November 17, 1999) AO12 http://www.identix.com/products/palmscan.htm, 3 pages, Copyright 1996-1998. TouchPrint™ 600 Card Scan System (visited November 17, 1999) AP12 http://www.identix.com/products/cardscan.htm, 3 pages, Copyright 1996-1998. DERMALOG KEY - The safest and easiest way of access control (last updated July 18, 1998) AQ12 http://www.dermalog.de/Britain/Products/Key/key.htm, 1 page. DATE CONSIDERED **EXAMINER EXAMINER**: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

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	AA13	5,650,842	07/1997	Maa	ase et al.				
	AB13	5,661,451	08/1997	Poll	ag				
	AC13	5,680,205	10/1997	Bor	za				
	AD13	5,689,529	11/1997	Joh	nson				
	AE13	5,717,777	02/1998	Woi	ng <i>et al.</i>				
	AF13	5,729,334	03/1998	Van	Ruyven				
	AG13	5,736,734	04/1998	Mar	cus et al.				
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	AL13	DERMALOG FINGER-IL DERMALOG FINGER-IL http://www.dermalog.de	O Your small e/Britain/Pro	l size soi ducts/Fi	lution for high securit nger/fingerid.htm>, 1	ty (last upda ⊢page.	ated J	luly 18, 1998)	
	AM13	Mytec: Corporate (visited	d November	· 17, 199	7, 1999) 17, 1999)				
	AN13	Kinetic Sciences Inc. Fir. http://www.kinetic.bc.ca	ngerprint Bio a/main-FPB.	<i>metrics</i> html>, 1	Division (visited Nove page.	ember 17, 1	1999)		
	AO13	Fingerprint Biometrics: \$ http://www.secugen.co				1999, (visite	ed Nov	vember 17, 19	999)
·	AP13 SecuGen Unveils Fully Functional Fingerprint Recognition Solutions, May 11, 1999, (visited November 17, 1999) http://www.secugen.com/pressrel.htm , 3 pages.								vember 17,
	AQ13	POLLEX Technology Ltd http://www.pollex.ch/er	d., The Expe	ert in Fing cts/pollog	gerprint Identification g.htm>, 2 pages.	ı - POLLog	(visite	ed November	17, 1999)
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	AA14	5,745,684	04/1998	Oskouy et al.						
	AB14	5,748,766	05/1998	Maase et al.						
	AC14	5,748,768	05/1998	Sivers et al.						
	AD14	5,755,748	05/1998	Borza						
	AE14	5,757,278	05/1998	Itsumi						
	AF14	5,767,989	06/1998	Sakaguchi						
	AG14	5,778,089	07/1998	Borza						
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	AL14	Sony Fingerprint Identific http://www.iosoftware.co	cation Termi com/biosols/s	<i>nal</i> (visited November 17, 199 sony/fiu/applications/fit100.htm	9) 1>, 2 pages.					
	AM14	Sony Fingerprint Identification Unit (FIU-700) (visited November 17, 1999) http://www.iosoftware.com/biosols/sony/fiu70/index.htm , 2 pages. (Unit available late 1999)								
	AN14	Sony Fingerprint Identific	cation Unit (com/biosols/	visited November 17, 1999) sony/fiu/index.htm>, 3 pages.						
	AO14 Fujitsu Fingerprint Recognition Device (FPI-550) (visited November 17, 1999) http://www.iosoftware.com/biosols/fujitsu/fpi550.htm , 2 pages.									
	AP14		Mitsubishi MyPass LP-1002 (visited November 17, 1999) http://www.iosoftware.com/biosols/mitsubishi/mypass.htm , 2 pages.							
	AQ14			sword Vault" (visited Novembe curetouch_pv.htm>, 1 page.	r 17, 1999)					
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	AA15	5,781,647	07/1998	Fish	bine et al.			.,	
	AB15	5,793,218	08/1998	Oste	er et al.				
	AC15	5,801,681	09/1998	Say	ag			:	
	AD15	5,805,777	09/1998	Kuc	hta				
	AE15	5,809,172	09/1998	Mele	en				
	AF15	5,812,067	09/1998	Berg	gholz <i>et al</i> .	1			
	AG15	5,815,252	09/1998	Pric	e-Francis	:			
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	AH15								
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	AL15	Digital Descriptor Syster cpc.com/pages/profile.htm	ms, IncProt tml>, 3 page	file (visite es.	ed November 17, 19	999) <http< td=""><td>://www.c</td><td>-iabb</td><td></td></http<>	://www.c	-iabb	
	AM15	Press Release: Printrak International Announces New Portable Fingerprint ID Solution, December 10, 1996, (visited November 17, 1999) http://www.scott.net/~dg/25.htm , 3 pages.							
	AN15	Corporate Profile (visited	d November	· 17, 1999	9) <http: td="" www.print<=""><td>trakinterna</td><td>ational.co</td><td>om/corporate.</td><td>.htm>, 1 page.</td></http:>	trakinterna	ational.co	om/corporate.	.htm>, 1 page.
	AO15	Printrak Products (visite discusses technology a	d November s early as 19	r 17, 199 974)	9) <http: td="" www.prin<=""><td>trakintern</td><td>ational.c</td><td>om/Products.</td><td>htm>, 1 page.</td></http:>	trakintern	ational.c	om/Products.	htm>, 1 page.
	AP15	Verifier™ 200 Fingerprir	nt Capture D	evices, (Cross Match Techn	ologies, lı	nc., 2 pa	ges, 1996-19	97.
	AQ15	Verifier 200 Direct Finge	erprint Reade	er, Cross	s Check Corporation	n, 2 pages	s, 1996-	1997.	
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	AA16	5,818,956	10/1998	Tuli				
	AB16	5,822,445	10/1998	Wong				
	AC16	5,825,005	10/1998	Behnke				
	AD16	5,825,474	10/1998	Maase				
	AE16 5,828,773 10/1998		10/1998	Setlak et al.				
	AF16	5,832,244	11/1998	Jolley et al.				
	AG16	5,848,231	12/1998	Teitelbaum et al.				
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	AL16	Verifier™ 250 Fingerprin	t Capture Do	evices, Cross Match Techno	ologies, Inc.,	, 2 pa	ges, 1996-199	97.
	AM16	Verifier 250 Small Footp	rint Direct Fi	ngerprint Reader, Cross Ch	neck Corpora	ation,	2 pages, 1996	S-1997.
	AN16	Verifier™ 290 Fingerprin	t Capture D	evices, Cross Match Techno	ologies, Inc.,	, 2 pa	ges, 1996-199	97.
	AO16	Verifier 290 Direct Rollec	d Fingerprint	Reader, Cross Check Corp	ooration, 2 pa	ages,	1996-1997.	
	AP16 Verifier™ 500 Fingerprint Capture Devices, Cross Match Technologies, Inc., 2 pages, 1998.							
	AQ16	Biometric terminal, 1 paç	ge, date unk	nown (believed to be obtain	ned before or	ne yea	ar prior to Aug	ust 1, 2003).
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	AA17	5,855,433	01/1999	Vel	lho <i>et al.</i>				
	AB17	5,859,420	01/1999	Bo	rza 				
	AC17	5,859,710	01/1999	Ha	nnah				
	AD17	5,862,247	01/1999	Fis	sun et al.				
	AE17	5,867,802	02/1999	Во	rza				
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Page 18 of 27 APPLICATION NO. ATTY, DOCKET NO. 1823.0900000 10/631,890 **FORM PTO-1449 INVENTORS** Gregory Zyzdryn INFORMATION DISCLOSURE STATEMENT FILING DATE **ART UNIT** August 1, 2003 2621 **U.S. PATENT DOCUMENTS EXAMINER** DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE INITIAL **AA18** 5.892,599 04/1999 Bahuguna **AB18** 5,900,993 05/1999 **Betensky** AC18 5,907,627 05/1999 Borza 5.920,384 07/1999 Borza **AD18** 07/1999 Salatino et al. 5,920,640 **AE18** AF18 5,928,347 07/1999 Jones Tuli 5,942,761 08/1999 AG18 **FOREIGN PATENT DOCUMENTS EXAMINER** DOC. COUNTRY SUB-CLASS TRANSLATION DOCUMENT NUMBER DATE CLASS INITIAL REF. AH18 AI18 AJ18 **AK18** OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Cross Match Technologies, Inc. - Support (visited March 25, 1999) AL18 http://www.crossmatch.net/new/support/support-index.html, 1 page. Cross Match Technologies, Inc. - News - Press Releases - Verifier 400 Press Release (visited March 25, **AM18** 1999) http://www.crossmatch.net/new/news/news-pr-050798.html>, 1 page. Global Security Fingerscan™ System Overview (visited January 11, 2000) http://www.u-rule.com/ **AN18** net.com/mbp/sol/g/a9.htm>, 12 pages. "Command Structure for a Low-Cost (Primitive) Film Scanner," IBM Technical Disclosure Bulletin, IBM Corp., AO18 Vol. 35, No. 7, December 1992, pp. 113-121. Fingerprint Scan API Toolkit Version 1.x Feature List (April 26, 2000) AP18 http://www.mentalix.com/api/archive_fapivl.htm, 3 pages. "Image Acquisition System," IBM Technical Disclosure Bulletin, IBM Corp., Vol. 29, No. 5, October 1986, pp. AQ18 1928-1931 (3 actual pages). DATE CONSIDERED **EXAMINER EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

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